

Amendment to the Claims:

1. (Currently Amended) An imaging communication system for communicating between an imaging workstation, from which imaging protocols ~~can be~~ are conducted and at which diagnostic images ~~can be~~ are displayed, and one or more medical professionals, the system comprising:

5 the workstation including:

~~a means for selecting and addressing an input device by~~
 which a user selects and addresses one or more medical
 ~~professionals[[:]]—a means for selecting electronic and selects~~
 diagnostic image representations to be sent to the one or more selected
10 medical professionals;

~~a means for formatting unit which formats the at least~~
 one selected medical professional address and the selected electronic
 diagnostic image representations into a wireless transmission format
 and wirelessly transmits the selected electronic image representation
15 with the selected medical professional address;

~~a plurality of remote receiving means for receiving inits, each remote~~
unit including:

a receiver which receives wireless transmissions at
 ~~remote locations from workstations and from other remote units;~~

20 an address reading means reader connected with each of
 ~~the plurality of receiving means for examining which examines each~~
 received wireless transmission for a corresponding preselected address;
 [[and]]

~~a video processing means processor connected with~~
25 ~~each remote receiving means for the receiver to, in response to the~~
 ~~address reading means reader finding the corresponding preselected~~
 address in the received wireless communication, converting an
 ~~electronic convert a diagnostic image portion of the received wireless~~
 transmission into an appropriate format for human-readable display;
30 and

a display device on which the diagnostic image is displayed in human-readable format.

2. (Currently Amended) The system as set forth in claim 1, the portable units each further including-include:

~~a plurality of portable units, each unit including a monitor means for generating the human-readable display; and one of: the receiving means, a~~
5 ~~corresponding address reading means, and a corresponding video processing means~~
an input unit through which the medical professional associated with the portable unit
inputs (1) address of other portable units, (2) instructions to transfer the diagnostic
image to an addressed portable unit, and (3) at least one of voice and text
communications such that the medical professional associated with the portable unit
10 can confer with medical professionals associated with other portable units and/or the
workstation about the diagnostic image.

3. (Currently Amended) The system as set forth in claim 2, wherein the portable units include at least one of [[PDAs,]] notebook computers[[],] and tablet personal computers which have sufficient resolution that the associated
5 medical professional can determine if the diagnostic image is satisfactory for
diagnostic purposes.

4. (Currently Amended) The system as set forth in claim 2, wherein each portable unit further includes:

~~a remote input means, through which the medical professional inputs information for communication to the workstation;~~

5 ~~an address memory, from which an address of at least one of the workstation and another portable unit is selectable[[:]]-a means for formatting the address and the input information into a wireless transmission format; and a transmitting means for wirelessly transmitting the formatted address and information.~~

5. (Currently Amended) The system as set forth in claim 4, wherein the portable unit input means-unit includes at least one of a microphone, a touch screen, a keypad, and a joystick or mouse.

6. (Currently Amended) The system as set forth in claim 4, wherein the portable unit input means-unit includes a microphone and the formatting ~~means-electronics which~~ format[[s]] audio information from the microphone into an appropriate format for wireless transmission.

7. (Currently Amended) The system as set forth in ~~claim 4~~ claim 2, wherein the workstation further including-includes:

a ~~receiving means associated with the workstation for receiving~~ receiver which receives wireless communications from the portable units;

5 an address ~~reading means for reading-reader which reads~~ an address portion of the received wireless communications and determining whether the received address portions match a preselected workstation address; and

a ~~means for converting-converting unit which converts~~ an input information portion of the received wireless communication whose corresponding
10 address portion matches the preselected workstation address into at least one of a human-readable and hearable format.

8. (Currently Amended) ~~[[The]]~~ An imaging communication system as set forth in claim 2, wherein for communicating between an imaging workstation, from which imaging protocols can be conducted and at which diagnostic images can be displayed, and one or more medical professionals, the workstation
5 [[is]] being disposed adjacent a scan room, and further including the system comprising:

a means for selecting and addressing one or more medical professionals;

a means for selecting electronic image representations to be sent to the
10 one or more selected medical professionals;

a means for formatting the at least one selected medical professional address and the selected electronic image representations into a wireless transmission format; and

a diagnostic scanner disposed in the scan room;

15 a patient support for supporting a patient in the diagnostic scanner;

[[and]]

an electronic camera disposed in the scan room to view the patient on the patient support, the electronic camera being connected with the formatting means to format electronic pictures from the electronic camera for wireless communication
20 to a selected portable unit;

a plurality of portable units, each unit including:

a monitor means for generating the human-readable display,

a remote receiving means for receiving wireless transmissions at remote locations,

25 an address reading means connected with the receiving means for examining each received wireless transmission for a corresponding preselected address, and

a video processing means connected with the remote receiving means for, in response to the address reading means finding the corresponding preselected address in the received wireless communication, converting an electronic image portion of the received wireless transmission into an appropriate format for human-readable display.
30

9. (Currently Amended) The ~~scanner-system~~ as set forth in claim 8, further including:

an electromechanical control means for adjusting at least one of a field of view, focus, and direction of the electronic camera, the electromechanical control
5 means being connected with a receiving means and a workstation address recognition means to receive control signals originating with the input means of the portable unit.

10. (Currently Amended) The system as set forth in claim 1, wherein the formatting means-unit is connected with ~~at least one of~~ a hospital based network, which includes wireless transmission units ~~and a cell phone tower~~.

11-14. (Cancelled)

15. (Currently Amended) The ~~method-system~~ as set forth in ~~claim 11~~ claim 1, further including:

~~positioning a patient in a diagnostic scanner[[:]]-conducting which~~
conducts a diagnostic scan of a patient positioned in the diagnostic scanner under
5 control of the workstation to generate diagnostic image information;

~~reconstructing a reconstruction processor which reconstructs the~~
~~generated diagnostic information into diagnostic images[[:]]-displaying the generated~~
~~diagnostic images; and selecting exemplary ones of the displayed diagnostic images~~
~~for incorporation into the wireless transmission.~~

16. (Currently Amended) The ~~method-system~~ as set forth in claim 15, wherein the patient has been injected with a contrast agent the workstation and the remote units further including include:

transmitters and receivers for at least one of voice and text
5 communications which wirelessly transmit voice and/or text communications between
the workstation and the remote units such that while holding the patient in the
diagnostic scanner, while the diagnostic images are transferred to one of the remote
locations[[:]] at the remote location, displaying the human-readable display units and
displayed to a medical professional; and

10 such that after analyzing analysis of the human-readable display,
transmitting the transmitters and receivers wirelessly transmit voice and/or text
instructions to the workstation [[(18)]] to one of: (1) release the patient and (2)
conduct further diagnostic scans while the contrast agent is still in the patient.

17. (Currently Amended) The ~~method-system~~ as set forth in claim 15, further including:

5 a video camera which optically imaging-images the patient in the diagnostic scanner to generate electronic optical images of the patient, ~~[[;]]-and-the~~ workstation formatting unit formats the ~~electronic-optical~~ video images and ~~[[the]]~~ a selected medical professional's address into format for wireless transmission to the remote unit associated with the selected medical professional.

18. (Currently Amended) The ~~method-system~~ as set forth in claim 17, wherein the remote units further including-include:

5 an input device which wirelessly~~[[,]]-from the remote location,~~ controlling-controls a field of view of ~~[[a]]~~ the video camera which generates the ~~electronic-optical~~ video images.

19. (Currently Amended) The ~~method-system~~ as set forth in ~~claim 12-claim 1~~, further including:

a patient records database;

5 a wireless transmitter connected with the database which, in response to the instructions from one of the ~~[[first]]~~ remote ~~location-units~~, wirelessly forwarding-additional-transmits patient records and information to the ~~[[first]]~~ one remote ~~location-unit~~.

20. (Currently Amended) The ~~method-system~~ as set forth in ~~claim 12-claim 15~~, ~~further including~~[[;]]~~at the first remote location,~~ wherein the remote unit includes a wireless transmitter and the workstation includes a wireless receiver such that after reviewing the diagnostic images and wirelessly sending an approval of the diagnostic images is wirelessly sent to the workstation~~[[;]]~~ and ~~at the workstation, releasing a-the patient who has been scanned in the scanner is released.~~

21. (Currently Amended) The ~~method system~~ as set forth in claim 12 ~~claim 15~~, further including~~[[:]]~~ ~~at the first remote location, wherein the remote unit includes a wireless transmitter and the workstation includes a wireless receiver such that after analyzing the diagnostic image[[s]] and wirelessly transmitting~~
5 ~~on the remote unit display device, instructions are wirelessly sent to the workstation for further diagnostic images[[:]] and at the workstation, controlling a to control the diagnostic scanner [[(16)]] to generate additional diagnostic images of the patient.~~

22. (Currently Amended) An imaging scanner communication system comprising:

a diagnostic scanner which generates diagnostic images of a patient disposed in the diagnostic scanner;

5 an optical camera disposed adjacent the diagnostic scanner to generate electronic optical images of the patient disposed in the diagnostic scanner;

~~a means for generating a patient information, the generating means positioned in a vicinity of the scanner; a means for facilitating a workstation which facilitates data transfer between an imaging diagnostic scanner operating personnel~~
10 ~~located at the scanner vicinity and one or more hospital radiologists located at one or more remote locations, the workstation receiving the diagnostic images and the optical images in electronic format and formatting the images for transmission;~~

~~a first means, positioned in the scanner vicinity and wireless communication unit coupled to the facilitating means, for transmitting first data~~
15 ~~including the workstation which wirelessly transmits patient information from the scanner vicinity to the remote locations and receiving remote and the diagnostic images and the optical images which receives data sent from to the remote locations;~~
and

~~remote means, positioned at the associated remote locations and~~
20 ~~coupled to the facilitating means, for receiving data at the associated remote locations and transmitting remote data from the remote locations to the scanner vicinity a plurality of portable units carried by the hospital radiologists at the remote locations, each portable unit including;~~

25 a wireless communications unit which receives the
wirelessly transmitted patient information, diagnostic images and
optical images and wirelessly transmits instructions input on an input
unit to the workstation, the instructions including instructions to the
diagnostic scanner operating personnel regarding the patient in the
scanner and instructions for controlling the optical camera, each
30 portable unit further including a display on which the diagnostic and
optical images are displayed.